



**Bid Number 50-00134324**

**LABOR, MATERIALS AND EQUIPMENT NECESSARY TO FURNISH,  
INSTALL, START UP AND LOAD TEST ONE (1) DOUBLE GIRDER CRANE  
AT THE COUSINS 2 PUMP STATION FOR JEFFERSON PARISH  
DEPARTMENT OF DRAINAGE**

**BID DUE: July 20, 2021 AT 2:00 PM**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received on the Purchasing Department's eProcurement site, [www.jeffparishbids.net](http://www.jeffparishbids.net), by the bid due date and time. Late bids will not be accepted.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Buyer Name: Daphne Nelson  
Buyer Email: [Dnelson@jeffparish.net](mailto:Dnelson@jeffparish.net)  
Buyer Phone: 504-364-2650**



# JEFFERSON PARISH

## DEPARTMENT OF PURCHASING

CYNTHIA LEE SHENG  
PARISH PRESIDENT

RENNY SIMNO  
DIRECTOR

September 2020

### **Changes to Jefferson Parish Bidding Information**

The Jefferson Parish Purchasing Department would like to make vendors aware of the following changes:

**Total Bid Price Must Include the Cost of Naming Jefferson Parish as Additional Insured:**

Bidder acknowledges that Bidder recovered the cost of any required insurance in the contract price as required by La.R.S. 9:2780.1 and that Bidder recovered any such cost for the purposes of insuring an obligation to indemnify Jefferson Parish, defend Jefferson Parish, or hold Jefferson Parish harmless and that Bidder's indemnity liability is limited to the amount of the proceeds that are payable under the insurance policy or policies that Bidder has obtained.

**Electronic Procurement:** Beginning November 1, 2020, Jefferson Parish will no longer accept manual bid submissions; and will only accept bid submissions electronically via our e-Procurement system, Central Bidding. Central Bidding can be accessed by visiting either [www.centralbidding.com](http://www.centralbidding.com) or [www.jeffparishbids.net](http://www.jeffparishbids.net). All bidders will be required to register with Central Bidding. Jefferson Parish vendors are able to register for free by accessing the following link:  
<https://www.centrauctionhouse.com/registration.php>.

**Probable Construction Cost:** Per Jefferson Parish Administrative Policy, the probable construction cost is not revealed in the Jefferson Parish Bidding Documents. Jefferson Parish Administrative Policy has changed and a range of the probable construction cost will be stated in the Jefferson Parish bidding document, entitled Important Notice to All Bidders – Bid Requirements. Per Louisiana Public Bid Law, the probable construction cost will be read at the bid opening.

**Insurance Requirement:** All bidders must provide proof of valid insurance in the required amounts as stated in the Standard Insurance Requirements for bidding purposes. Failure to provide the proof of valid insurance in all of the required coverage amounts will result in bid rejection.

GENERAL GOVERNMENT BLDG. – 200 DERBIGNY ST., SUITE 4400, GRETNA, LA 70053  
OFFICE 504.364.2678

JOSEPH S. YENNI BLDG. – 1221 ELMWOOD PARK BLVD., SUITE 404, JEFFERSON, LA 70123  
OFFICE 504.364.2678  
EMAIL: [PURCHASING@JEFFPARISH.NET](mailto:PURCHASING@JEFFPARISH.NET) WEBSITE: [WWW.JEFFPARISH.NET](http://WWW.JEFFPARISH.NET)

# Bid Bond

An Electronic Bid Bond must be submitted with this bid, through one of the respective clearing houses at [www.jeffparish.net](http://www.jeffparish.net) or [www.centralbidding.com](http://www.centralbidding.com). To access the bonding companies on Central Bidding, hover over the “Central Bidding” link at the top of the page and select the “Bid Bonds” link.

The electronic bid bond number is to be placed in the required section listed on the standard envelope. Scanned copies of bid bonds will not be accepted with your submission.

The screenshot shows the Central Bidding website interface. At the top, there is a navigation bar with links for "CENTRAL BIDDING", "ABOUT US", "TESTIMONIALS", "CENTRAL BIDDING", and "PROCUREMENT SOLUTIONS". A dropdown menu is open under "CENTRAL BIDDING", showing options like "Bids by Agency", "Search Bids", "Add Agency", and "Contact Us". The main banner features a background image of hands holding a pen over a document, with the text: "Central Bidding is the leading provider of online bidding services to local agencies." Below the banner are three buttons: "CENTRAL BIDDING", "SURPLUS SALES", and "REGISTER NOW!".

**\$41.6 Billion**

**38,136 Bid Opportunities**

**18,123 Vendors**

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Central Bidding, founded in 2007, is one of the largest providers of electronic bidding services to public and private buying entities. Vendors have trusted Central Bidding to securely deliver more than \$41.6 Billion worth of electronic bids for more than 450 buying entities since their founding. Central Bidding works under exclusive contract with each of these buying entities and in each instance Central Bidding is the only official electronic location to receive the bid documents, the automated updates and allowance of electronic bids.

[Learn More >](#)

<https://www.centralauctionhouse.com/central-bidding-bid-bonds>



**Designation of Construction Contractor  
as Agent of a Governmental Entity  
Sales Tax Exemption Certificate**

\_\_\_\_\_, an agency of the United States government, or an agency, board, commission, or instrumentality of the State of Louisiana or its political subdivisions, including parishes, municipalities and school boards, does hereby designate the following contractor as its agent for the purpose of making sales tax exempt purchases on behalf of the governmental body:

Name of Contractor		
Address		
City	State	ZIP

This designation of agency shall be effective for purchases of component construction materials, taxable services and leases and rentals of tangible personal property for the following named construction project:

Construction Project	Contract Number
----------------------	-----------------

This designation and acceptance of agency is effective for the period

Beginning Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)
-----------------------------	-----------------------

Purchases for the named project during this period by the designated contractor shall be considered as the legal equivalent of purchases directly by the governmental body. Any materials purchased by this agent shall immediately, upon the vendor's delivery to the agent, become the property of this government entity. This government entity, as principal, assumes direct liability to the vendor for the payment of any property, services, leases, or rentals made by this designated agent. This agreement does not void or supersede the obligations of any party created under any construction contract related to this project, including specifically any contractual obligation of the construction contractor to submit payment to the vendors of materials or services for the project.

This contractor-agent is not authorized to delegate this purchasing agency to others; separate designations of agency by this governmental entity are required for each contractor or sub-contractor who is to purchase on behalf of this governmental entity. The undersigned hereby certify that this designation is the entirety of the agency designation agreement between them. In order for a purchase for an eligible governmental entity through a designated agent to be eligible for sales tax exemption, the designation of agency must be made, accepted, and disclosed to the vendor before or at the time of the purchase transaction.

Designation of Agency			Acceptance of Agency		
Signature of Authorized Designator		Date (mm/dd/yyyy)	Signature of Contractor or Subcontractor Authorized Acceptor		Date (mm/dd/yyyy)
Name of Authorized Designator			Name of Contractor's or Subcontractor's Acceptor		
Name of Governmental Entity			Name of Contractor		
Address			Address		
City	State	ZIP	City	State	ZIP

This designation of agency form, when properly executed by both the contractor and the governmental entity, shall serve as evidence of the sales tax exempt status that has been conferred onto the contractor. No other exemption certificate form is necessary to claim exemption from sales taxes. The agency agreement evidenced by this sales tax exemption certificate must be implemented at the time of contract execution with the governmental entity. The contract between the governmental entity and his agent must contain provisions to authenticate the conferment of agency.



## **IMPORTANT NOTICE TO ALL BIDDERS – BID REQUIREMENTS**

### **A. LOUISIANA CONTRACTOR'S LICENSE FOR THIS PROJECT**

Must be in the following category:

Municipal and Public Works Construction

### **B. PROBABLE CONSTRUCTION RANGES**

Range of The Probable Construction Cost for Base Bid:

\$0.00 - \$250,000.00

Range of The Probable Construction Cost for Alternate No. 1:

Range of The Probable Construction Cost for Alternate No. 2:

Range of The Probable Construction Cost for Alternate No. 3:

Range of The Previous Contract Cap  
(Public Work Maintenance Contract):

### **C. TIMELINES**

Except as where provided by law, Bidder agrees that this bid shall be legally binding and may not be withdrawn for a period of forty-five (45) calendar days after the scheduled closing time for receiving bids. In the event the Owner issues the Letter of Award (copy of adopted resolution awarding bid by Jefferson Parish Council) during this period, the bid accepted shall continue to remain binding pending execution of the Contract.

Bidder agrees to execute the ensuing Contract and will deliver applicable Bonds to secure the faithful performance thereof.

**PROTESTS:** Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-913 of the Jefferson Parish Code of Ordinances.)

Upon full execution of the Contract and receiving a written notice to proceed, the Bidder agrees that all work shall be completed as follows:

Final acceptance shall be within 180 calendar days from the date shown on the Notice To Proceed.

### **D. SALES TAX EXEMPTION**

For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session – Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

**E. LIQUIDATED DAMAGES**

In accordance with Resolutions 136352 and 136353, Bidder agrees to pay, as liquidated damages, the sum of N/A for: (1) each consecutive calendar day after the agreed date of completion that the work remains substantially incomplete, or (2) each consecutive calendar day after substantial completion that the work has not been finally completed.

In addition to, but not in lieu of the per diem liquidated damages, Owner shall also be entitled to recover from Contractor or Contractor's Surety additional liquidated damages as detailed in Resolutions 113646 and 113647. These additional liquidated damages may include, but are not limited to the following, in the amounts and for each of the items identified in the Supplementary Conditions:

- (1) Extended architectural and/or engineering fees \$ N/A ;
- (2) Extended Resident Project Representative fees \$ N/A ;
- (3) Extended construction management fees \$ N/A ;
- (4) Extended Owner's overhead and personnel expenses \$ N/A ; and
- (5) Owner's other costs directly related to the delay in completion beyond the Contract Times.

Also, in accordance with Section 6.02, "Labor; Working Hours," whenever Contractor's work requires inspections in excess of the budgeted amount for inspection, Contractor shall reimburse Owner for the additional costs incurred by the Owner attributable to inspection of the contracted project in excess of the budgeted amount for inspections.

In accordance with the terms of the Engineer's agreement with the Owner, the average hourly rate to be charged for resident inspection for this construction project is \$            and the reasonable budget for such inspections is \$            (the overtime rates shall be \$            per hour). The cost of inspection in excess of this budgeted amount shall be assessed against Contractor's progress payments, all in accordance with LSA R.S. 38:2216(L)(2).

**F. METHODS OF BID SUBMISSION**

Online at no charge via Jefferson Parish's electronic procurement page by visiting [www.jeffparishbids.net](http://www.jeffparishbids.net). Registration and use of this site is free to Jefferson Parish vendors.

**G. ETHICAL STANDARDS AND COOPERATION WITH THE OFFICE OF THE INSPECTOR GENERAL, INCLUDING CONFLICTS OF INTEREST**

Vendor agrees by bid submission to comply with all provisions of Louisiana Law as well as compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, as published on <http://ethics.la.gov> and applicable Jefferson Parish ethical standards and Jefferson Parish Terms and Condition.

**Inspector General:** It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the inspector general in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). Every parish contract and every bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program shall contain a statement that the corporation, partnership, or person understands and will abide by all provisions of JPCO 2-155.10.

**Conflicts of Interest:** Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

#### H. REQUIRED AFFIDAVITS

For convenience, all legally mandated affidavits have been combined into one form, entitled THE PUBLIC WORKS BID AFFIDAVIT. All bidders must submit with their bid submission, a completed, signed and properly notarized affidavit in its original format and without alteration in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration prior to, or at contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

#### I. BID REQUIREMENTS (BID DOCUMENTS, SPECIFICATIONS, BONDS, W-9 AND PAYMENT INFO)

Bidders must review the bid specifications and include any required documentation including but not limited to the LA Public Works Uniform Bid Form, Bid Security, Corporate Resolution or written evidence of signature authority, and the Public Works Affidavit. Pursuant to LA R.S. 38:2212(B)(3)(b), bidders shall also be responsible for providing any other documentation as required, i.e. federal grant documentation, etc. Please note that the payment and performance bonds must be supplied by the successful bidder at contract signing.

All vendors submitting bids should register as a Jefferson Parish vendor, if not already registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and click on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

Bidders must comply with all provisions of the General Terms and Conditions as approved by Resolution No. 136352 and/or 136353. A copy of these terms and resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, Louisiana 70053. Bidders may also obtain a copy by visiting the Purchasing Department's webpage at [www.purchasing.jeffparish.net](http://www.purchasing.jeffparish.net) and clicking on online forms.

**Bid Security:** Bidders shall provide bid security in the form of an electronic bid bond in the amount of five percent (5%) of the total bid price (Base Bid and any Alternates) (as per R.S. 38:2218). Such security will become the property of the Owner in the event the successful bidder fails or refuses to execute the Contract or fails to produce performance and payment bonds upon contract signing.

When submitting online, bidders must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.

**Performance Bond:** A performance bond is required in 100% of the contract amount and is due at the signing of the formal contract.

**Payment Bond:** A payment bond is required in 100% of the contract amount and is due at the signing of the formal contract.

**J. INSURANCE REQUIREMENTS**

All Bidders must submit with bid submission a current (valid) insurance certificate evidencing required coverages. Failure to comply will cause the bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council as additional insureds regarding negligence by the contractor for the Commercial General Liability and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

**JEFFERSON PARISH REQUIRED STANDARD INSURANCE**

☒ **WORKER'S COMPENSATION INSURANCE**

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence. Property Damage Liability \$1,000,000.00 each occurrence.

**UMBRELLA LIABILITY COVERAGE**

An umbrella policy or excess may be used to meet minimum requirements.

**FOR CONSTRUCTION AND RENOVATION PROJECTS:**

The following are required if selected. Such insurance is due upon contract execution.

☐ **OWNER'S PROTECTIVE LIABILITY**

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

☐ **BUILDER'S RISK INSURANCE**

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

**INSURANCE DEDUCTIBLES** - The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.



**K. INDEMNIFICATION**

Bidder acknowledges that Bidder recovered the cost of any required insurance in the contract price as required by La.R.S. 9:2780.1(l) and that Bidder recovered any such cost for the purposes of insuring an obligation to indemnify Jefferson Parish, defend Jefferson Parish, or hold Jefferson Parish harmless and that Bidder's indemnity liability is limited to the amount of the proceeds that are payable under the insurance policy or policies that Bidder has obtained.

## **Cousins 2 Outdoor Crane Replacement Specifications**

**Scope General:**

Labor, materials, and equipment necessary to furnish, install, start up and load test one (1) double grinder crane at the Cousins 2 Pump Station for Jefferson Parish Department of Drainage

**Location:**

Cousins Pump Station  
2466 Destrehan Avenue, Harvey, LA 70058.

**NO PRE-BID CONFERENCE WILL BE HELD FOR THIS BID**

**If a site visit is needed, please contact Jamal Singleton between the hours of 9:00 a.m., and 2:00 p.m. at (504) 349- 5037 or [jsingleton@jeffparish.net](mailto:jsingleton@jeffparish.net).**

**Bonds:**

A bid bond will be required with bid submission in the amount of 5% of the total bid. Vendor must submit an electronic bid bond through the respective online clearinghouse bond management system as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.

A performance bond in the amount of 100% of the contract price is required at the signing of the formal contract.

A payment bond in the amount of 100% of the contract price is required at the signing of the formal contract.

**License requirements:** Vendor shall have one of the following Louisiana State Contractor's License:  
**Municipal and Public Works Construction**

The above LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. The license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.

Work must be performed during standard operating hours of 7:00 a.m. - 5:00 p.m., Monday – Friday

Final acceptance shall be within 180 calendar days from the date shown on the notice to proceed.

Contractor is responsible for all Parish, State and Federal agencies permitting requirements.

**Part 1**

**1.0 REFERENCE STANDARDS**

- 1) Occupational Safety and Health Administration (OSHA).
  - a) Par. 1910.179 Overhead & Gantry Cranes.
- 2) Crane Manufacturers Association of America (CMAA).

- a) Specification No. 70 for Top Running Double Girder Electric Overhead Traveling Cranes.
- 3) American National Standard (ANSI).
  - a) ANSI B-30.16 Overhead hoists.
  - b) ANSI B-30.2 Cranes.
- 4) Hoist Manufacturers Institute (HMI).
- 5) National Electric Code (NEC).
  - a) 1. NEC (Latest Edition Article 610 Cranes and Hoists).
- 6) American Institute of Steel Construction (AISC).
  - a) Specification for the Design, Fabrication, and Erection of Structural Steel for Buildings.
- 7) American Society for Testing and Materials (ASTM).
  - a) A36/A36M - Specification for Carbon Structural Steel.
- 8) American Welding Society (AWS).
  - a) D1.1 - Structural Welding Code - Steel.
  - b) D14.1 - Overhead Cranes.

#### 1.1 SUBMITTALS

- 1) Shop Drawings and Equipment Data.
  - a) Submit for approval, Shop Drawings showing complete system design, details and dimensions. Provide sealed documents from a Structural Engineer currently licensed in the State of Louisiana.
  - b) Manufacturer's catalog data, including crane manufacturer's structural engineers' approval of Bridge Crane rail support steel/structure/system.
  - c) Responsible engineers are to be currently licensed in the State of Louisiana.
  - d) Wiring schematics ship with crane.
  - e) Manufacturer's Runway Rail System required CMAA Tolerances.
- 2) Operation and Maintenance Manuals
- 3) Equipment function, normal operating characteristics, and limiting conditions.
- 4) Assembly, installation, alignment, and maintenance instructions.
- 5) Lubrication and maintenance instructions.4.
- 6) Parts list.
- 7) As-built drawing.
- 8) Test results.
- 9) Submittals must be emailed electronically within three business days upon request from the Drainage Department. Failure to respond and submit required information will result in bid being deemed non-responsive and rejected.

#### 1.2 QUALITY ASSURANCE

- 1) Manufacturers shall have documented experience for ten (10) years, having successfully designed and built similar installations.
- 2) Manufacturer shall be responsible for providing equipment of highest quality and workmanship that will perform specific functions reliably and safely.
- 3) To insure long-term availability and responsibility for Crane parts, all crane components will be of one major recognized brand from one OEM source. OEM Source must be a CMAA / HMI

member. To insure long-term availability and responsibility for Crane parts, all crane components will be of ONE Major recognized brand from ONE OEM source. OEM Source must be a CMAA / HMI member.

### **1.3 WARRANTY**

- 1) Manufacturer and Supplier warrants that all products conform in all material aspects to the description identified in this specification and will be free from defects in material and workmanship for one (1) year from the date of completion. Supplier will repair or replace equipment found to be defective at no cost to buyer.
- 2) Special Warranty for equipment associated systems and accessories: Manufacturer's Special Warranty to cover all materials and labor for the repair or replacement of, but not limited to: all motors, gears, hoist equipment, operation systems, and controllers and associated systems for a period of five (5) years.

### **1.4 DELIVERY, STORAGE AND HANDLING**

- 1) Unloading and storage of crane shall be under the direct supervision of manufacturer as coordinated with general contractor.
- 2) Equipment delivered and placed in storage shall be stored with protection from the weather, humidity and temperature variations, dirt, dust and other contaminants.

### **1.5 TESTING AND INSPECTIONS.**

- 1) Pre-Delivery Inspections. Contractor shall be responsible for performance of quality control inspections, testing and documentation of steel castings, hook assembly as follows.
- 2) Inspection of Steel Castings. Load-carrying steel castings shall be visually inspected and tested using the magnetic-particle inspection method. Allowable degree of discontinuities shall be referenced to ASTM E 125, and shall be related to service loads and stresses, critical configuration, location and type. Methods of repairing the discontinuities shall be subject to review.
- 3) Inspection of Hook Assembly. Hook and nut shall be inspected by a magnetic-particle type inspection or x- rayed prior to delivery. Documentation of hook inspection shall be furnished to the Drainage Department during field operational testing. As part of the acceptance standard, linear indications will not be allowed. Welding repairs of hook will not be permitted. A hook showing linear indications and damage or deformation will not be accepted.

### **1.6 FIELD MEASUREMENTS.**

- 1) Before performing any work, the Contractor shall become familiar with all details of the work, verify all dimensions in the field, and submit a letter describing the results of this verification including discrepancies to the Drainage Department and crane manufacturer.

### **1.7 CURRENT CONDITIONS.**

- 1) The Parish will install contractor crane connection which includes a 100 amp disconnect with conduit junction box running up the south wall of the station.

## **PART 2 PRODUCTS**

### **2.0 General Specifications**

The following minimum requirements for the new double girder crane with 25 ton lifting capacity and a 50; span.



GENERAL CHARACTERISTICS	
Type of EOT Crane	GPIIF25H2/6
Type of Hoist	GHF T 25 41 04 H2 6
Falls	4/1
Lifting capacity	25 Ton
Service	Outdoors - Nonhazardous/non-caustic
Span	50'
Pit	0 m.
HOL	35'
Type of hook according to DIN	15401 - 12
Deflection	1/888

FEM CLASSIFICATION	
Structure	C
Components	
Hoisting	H5
Cross travel	H5
Long Travel	C

HOIST MOTION	WITH FREQUENCY INVERTER
Main speed	13.12 f.p.m
Motor power	29.7 HP
Precision speed	1.31 f.p.m
Protection / Class	NEMA 3R/F

TROLLEY MOTION	WITH FREQUENCY INVERTER
Main speed	6.56 - 65.62 f.p.m
Motor power	2x2.43 HP
Protection / Class	NEMA 3R/F

CRANE MOTION	WITH FREQUENCY INVERTER
Wheel diameter / Wheel base	15.75" / 141.73" - (400 / 3600)
End carriage type / Type of material / Kind of bumper	Rectangular tube / GGG-70 /Rubber
Number of stages	3
Main speed	13.12-131.23 f.p.m.
Motor power	4x7.7625 HP
Protection / Class	NEMA 3R/F
Rail width	ASCE 80
Forward bumper extension / Backward bumper extension	0/600

VOLTAGE	
Power supply / Frequency	460/3/60
Control voltage	110 v.
Type of trolley cabinet	Trolley cabinet only junction box

OTHERS	
Type of girder / Flange	Box Girder / 1'-7 5/16"
Crane weight without trolleys / Trolley weight	20920 LBS / 6636 LBS.
Max. Wheel load / Minimum wheel load	33600 LBF /8684 LBF
Transversal wheel load / Braking wheel load	4638 LBF / 9408LBF
Bumper load, left side / Rights.	4422 LBF /4400LBF
Color of the structure / Color of the component	Yellow RAL(1021) / Blue RAL(5015)
Type of material / Units	ASTM A-36 / In inches
Industry	Manufacturing of machinery/Capital goods
Type of work	All applications

***The crane shall be calculated to wind, considering UNE-EN 13001-2 The crane and system shall also include the following features:***

- Control by means Of RADIO CONTROL independent from the trolley
- Paint system according to ISO 12944, corrosivity category C3
- Overload device
- Walkway in one girder
- Sand blasting sa2½ with zinc rich primary coating
- Outdoors paint, epoxy with polyurethane top coat
- Anemometer with visual and acoustic alarm
- Manual parking device (Manual: 1)
- Roofs over every motor
- Complete roof over trolley (protection against heating)
- Heating resistance (In the cabinet)
- Frequency inverter for lifting (closed loop) (Main lifting)
- Frequency inverter for cross travel (Main trolley)
- Frequency inverter for long travel
- Total stop limit switch (For trolley and crane)
- Radio remote control: In Motion (Simple + spare transmitter)
- Lifting limit switch ball-type
- Main electrical cabinet WITH IP65 protection and stainless-steel material
- Trolleys electrical cabinet WITH IP65 protection and stainless-steel material
- Stainless steel festoons trolleys (one per spans meter)-15 Units
- Cable glands in all electrical cabinets

## 2.1 Materials Guidelines

- 1) General: Materials and equipment shall be standard products of manufacturers regularly engaged in the fabrication of cranes including all necessary ancillary equipment.
- 2) Use of Asbestos Products: Materials and products required for designing and manufacturing cranes shall not contain asbestos.
- 3) Capacity Plates: Two capacity plates indicating the crane capacity in tons are required, one secured to each side of the bridge. Each capacity plate shall be fabricated of a steel backing plate and exterior quality/fade-resistant stick-on labels with letters large enough to be easily read from

the floor. Capacity plates shall be placed in a location visible to pendant operator's position after the crane has been installed.

- 4) **Safety Warnings:** Readable warning labels shall be affixed to each lift block or control pendant in a readable position in accordance with ASME B30.16, ASME B30.2 and ASME B30.17. The word "WARNING" or other legend shall be designed to bring the label to the attention of the operator. Warning labels shall be durable type and display the following information concerning safe-operating procedures: Cautionary language against lifting more than the rated load; operating the hoist when the hook is not centered under the hoist; operating hoist with twisted, kinked or damaged rope; operating damaged or malfunctioning hoist; operating a rope hoist with a rope that is not properly seated in its hoist drum groove; lifting people; lifting loads over people; and removing or obscuring the warning label.
- 5) **Directional Arrows:** To avoid operation of crane in the wrong direction, the words "EAST" and "WEST" and "NORTH" and "SOUTH" with accompanying directional arrows shall be affixed in the bridge and trolley respectively, in locations which are visible and readable to the operator from the pendant station. These words shall agree with the markings on the control pendant. Directional arrows shall not be indicated on the control pendant.
- 6) **Painting.** Crane including bridge, trolley, hoist, and all attached items shall be painted in accordance with the manufacturer's standard practice. Colors shall be Standard Machinery Yellow.

### 2.3 **STRUCTURAL MATERIALS.**

- 1) **Bolts, Nuts and Washers:** High-strength bolted connections shall utilize SAE Grade 5 bolts with corresponding lock washers, and nuts conforming to requirements of AISC S329. Bolts, nuts and washers shall conform to ASTM A 325 bolts except that ASTM 490 M shall not be used. Galvanized bolts are not acceptable.
- 2) **Bridge Girders:** Bridge girders shall be wide flange beams, standard I-Beams, reinforced beams or sections fabricated from rolled plates and shapes. Girders shall be designed to ensure deflection produced by the dead load, the weight of the trolley and rated load shall not exceed a deflection of
- 3) .0025 inch per inch of span. Impact shall not be considered in determining the deflection. Trolley rails shall be welded to the tops of the load girders and steel trolley stops shall be welded to each of the load girders.
- 4) **End Trucks and Bridge Girder End Connections:** Welded steel box sections shall be used for end trucks. Full depth diaphragms shall be provided at girder connections and jacking points. Horizontal gusset plates shall be provided at the elevation of top and bottom end tie flanges for connection to girder ends. End connections shall be made with high-strength bolts. Body-bound bolts fitted in drilled and reamed holes shall be used to maintain the crane square.
- 5) **Bridge End Trucks:** End trucks shall be the rotating or fixed axle type fabricated of structural tubes or from structural steel to provide a rigid box section structure. Jacking pads shall be provided for removal of wheel assemblies.
- 6) **Trolley Frame:** Trolley frame shall consist of two structural steel side frames or trucks welded together with one or more structural steel load girts to form a one-piece unit. Pads shall be provided for the use of jacks or wedges when changing truck wheels.
- 7) **Stops and Bumpers:** Crane runways and bridge girders shall be fitted with structural steel end stops. Bridge end trucks and trolley frames shall be fitted with shock-absorbing, neoprene bumpers capable of decelerating and stopping the bridge and/or trolley within the limits stated by

OSHA and MHI CMAA. Trolley end stops shall be of sufficient strength to withstand the impact of a fully loaded trolley moving at 50 percent of maximum rated travel speed. The exterior crane shall be provided with automatic lock down device, rail clamps for securing crane during or high winds. Additionally, the lock down shall engage via anemometer or when crane is not in use.

- 8) Footwalks: The location and construction of footwalks shall be in accordance with ASME B30.2. A footwalk shall be provided on the drive side. The drive side footwalk shall mate with the crane access platform. Footwalks and platforms shall be safety tread (raised pattern). The length of the drive side footwalk shall be along the entire length of the bridge. Safety handrails shall be provided for footwalks. All footwalks shall not hold water.
- 9) Runway Rails: The runway rail shall be ASCE 85 lb. per yard rail. Rail clamps shall be double bolt float type fastened with machine bolts, nut and lock washer. Clamps shall be spaced at three feet.

#### 2.4 MECHANICAL EQUIPMENT.

- 1) Bridge Drives: Bridge drives shall be A-4 drive arrangement as specified in MHI CMAA 70. Bridge drive shall consist of dual electric motor mechanically connected through gear reduction and drive shafts to the drive wheels, or separate drive motors at each end of bridge. Acceleration and deceleration shall meet the requirements specified in this section. Gears shall conform to applicable AGMA standards. Gear reducers shall be oil tight and fully enclosed with pressure or splash type lubrication.
- 2) Trolley Drives: The trolley shall be complete with a drive arrangement having a minimum of 2 wheels driven by an integral electric motor. The drive mechanism shall run in totally enclosed oil bath. Acceleration and deceleration controls shall meet requirements specified in this section.
- 3) Hoist Load Block: The load block shall be of welded steel construction. It shall be provided with a hot rolled or forged steel fixed crosshead, separate from the sheave pin, with a swivel mounting for a forged steel hook. Each lubrication fitting for sheave pins shall be an independent type recessed within the sheave pin or adequately guarded to prevent damage. The pitch diameter of the sheaves shall be not less than 16 times the rope diameter. Sheaves shall be supported by roller type bearings on steel sheave pins. Provisions for external lubrication shall be provided to allow pressure relief and purging of old grease. Sheave blocks shall be constructed to provide maximum personnel safety and to prevent the hoist rope from leaving the sheaves under normal operating conditions.
- 4) Hook Assembly: Hooks shall be single barbed and shall be made of forged steel complying with ASTM A 668. Hooks shall be fitted with safety latches designed to preclude inadvertent displacement of slings from the hook saddle. Painting or welding shall not be performed on the hook. Hook nut shall be secured with a removable type set screw or other similar fastener, but shall not be welded. Hooks shall be designed and commercially rated and shall have a minimum proof load of twice the safe working load and have a minimum straightening load of four times the safe working load in accordance with MHI CMAA. The hook shall be free to rotate through 360 degrees when supporting the rated load.
- 5) Hoisting Ropes: Hoisting ropes shall be regular lay, preformed, uncoated, improved plow steel, 6 by 37 construction, with independent wire rope core conforming to FS RR-W-410, Type I, Class 3. Ropes shall be suited to meet the service requirements. Rope socketing or U-bolt clip connections shall be made in accordance with clip or rope manufacturer's recommendation, and shall be equal to or greater than the rope strength. Hoisting ropes shall be the rated capacity load plus the load block weight divided by the number of rope parts, and shall not exceed 20 percent of the certified breaking strength of rope. Hoisting ropes shall be secured to hoist drum so that no less than 2



wraps of rope remain at each anchorage of hoist drum at the extreme low position (limit switch stop).

- 6) Sheaves: Sheaves, if used, shall be of cast, forged, rolled, or welded structural steel. Sheave grooves shall be accurately machined, smoothly finished and free of surface defects.
- 7) Hoist Drums: Hoist drums shall be of welded rolled structural steel, cast steel, or seamless steel pipe. Diameter of drum shall be not less than 24 times the diameter of hoist cable. Drums shall be machined double reeved (with right-hand and left-hand grooves) to take the full run of cable for the required lift without overlapping, plus a minimum of 2 full wraps of cable when the hook is at its lowest elevation. At least 1 groove shall remain unused when the hook is at its highest position. Drum grooves shall be cut from solid stock and have sufficient depth for the size of cable required. Drum flanges shall be guarded so that the cable cannot wedge between the drum flange and the hoist frame.
- 8) Gearing: Gearing shall be of the enclosed gear reducers type. Gears and pinions shall be helical, or herringbone type only, and shall be forged, cast or rolled steel; open-type gearing is not acceptable. Gears and pinions shall have adequate strength and durability for the crane service class and shall be manufactured to AGMA 2001-B Quality Class 6 or better precision per AGMA 390.03a and AGMA 2000- A.
- 9) Gear Reducers: Gear reducers shall be integral components of standard hoists or hoist/trolley units of manufacturers regularly engaged in the design and manufacture of hoists or hoist/trolley units for Class A, B or C cranes. Gear reducers shall be designed, manufactured and rated in accordance with AGMA 6010-E, AGMA 6019-E (for trolley drives only), as applicable. Except for final reduction, the gear reduction units shall be fully enclosed in oil-tight housing. Gearing shall be designed to AGMA standards and shall operate in an oil bath. Operation shall be smooth and quiet.
- 10) Brakes: Brakes shall be of the shoe or disc type with thermal capacity suitable for class A and service specified in this section. Shoe and disc brakes shall be spring-set and electrically released by a continuously rated direct acting magnet. Brakes shall be self-aligning and provide for easy adjustment for torque setting and lining wear. Brake lining material shall be asbestos free. Brake wheels shall be cast iron conforming to ASTM A 159 or shall be the manufacturer's standard high-strength ductile cast- iron, provided that the material exhibits wear characteristics in the form of powdered wear particles and is resistant to heat-checking. Disc brakes shall be totally enclosed and have multiple discs with stationary releasing magnets. Brake torque shall be easily adjustable.
- 11) Hoist Holding Brakes: The hoist shall be equipped with at least two holding brakes. The holding brakes shall be disc or shoe design, applied to either the motor shaft or the gear reducer shaft. The braking system shall be designed to have zero hook lowering motion when a raise motion is initiated. Primary brake shall be a spring set, electrically released, disc or shoe type brake. Brake shall have a minimum torque rating of 150 percent of motor torque. Brake Torque shall be easily adjustable over a 2:1 torque range. Brake shall be capable of holding the rated load with zero hook drift. Primary brake shall be automatically set when controls are released or when power is interrupted. Provisions shall be made to facilitate easy brake adjustment.
- 12) Hoist Control Brake: The hoist shall be equipped with a mechanical "Weston" type load brake located in the gearbox to prevent over speed during lowering. It shall have a minimum torque rating of 150 per cent of the rated load hoisting torque. "This item should be removed, this is old

antiquated technology and isn't used in most crane applications. The controlled braking is via dynamic braking in the Variable frequency drive.

- 13) Trolley Brake: Trolley braking system shall be provided with spring-applied and electrically released shoe brakes or disc brakes. Braking system shall be automatically set when controls are released or power is interrupted. Provisions shall be made to facilitate easy brake adjustment. Brakes shall have a torque rating of at least 100 percent of trolley drive motor rated torque.
- 14) Bridge Brakes: Bridge braking system shall be provided with a spring-applied and electrically released single shoe or disc brake for each bridge drive motor. Braking system shall be automatically set when controls are released or power is interrupted. Provisions shall be made to facilitate easy brake adjustment. Brakes shall have a torque rating of at least 100 percent of bridge drive motor rated torque.
- 15) Wheels: Wheels shall be manufactured of rolled or forged steel. Bridge and trolley wheels shall be double-flanged. Trolley wheels shall have straight treads. Bridge wheels shall have straight treads.
- 16) Wheels shall be equipped with self-aligning double-row spherical roller bearings of capacity as recommended by bearing manufacturer for design load of trolley or bridge.
- 17) Bearings: All bearings, except those subjects only to small rocker motion, shall be of the antifriction type. Load ratings and fatigue life shall be in accordance with AFBMA 9 and AFBMA 11. Equalizer sheaves shall be equipped with sintered oil impregnated type bushings in accordance with ASTM B 438M (ASTM B 438), ASTM, B 439, or ASTM B 613.
- 18) Antidrip Provisions: The cranes shall be designed to preclude leakage of lubricants onto the lifted loads or the floor. Equipment and components which cannot be made leak-proof shall be fitted with suitable drip pans. The drip pans shall be made of steel and shall be designed to permit removal of the collected lubricant.
- 19) Lubrication System: A splash oil lubrication system shall be provided for the hoist, trolley and bridge gear cases, except that an oil pump shall be used on vertical mounted gear cases exceeding two reductions. Oil pumps shall be reversible and capable of maintaining to same oil flow direction and volume while being driven in either direction. Electric motor-driven pumps may be used when the input shaft speed is too low at any operating condition to ensure adequate oil flow. In such applications, the pump shall be energized whenever the drive mechanism brakes are released.

## **2.5 ELECTRICAL COMPONENTS.**

- 1) General. Electric power for the normal operation of the crane will be supplied from the nominal 480 volt, 3-phase, ungrounded, Shall be Grounded per NEC Art. 610.61 60-Hz ac power distribution system.
- 2) Main Conductors. The conductor system shall be furnished complete with all necessary accessories for complete installation of the cranes.
- 3) Conductor - The conductor system for the overhead cranes shall conform to the applicable requirements as follows: The conductor system shall be weatherproof suitable for indoor and outdoor use and shall be rated for 600 volts AC. It shall have a continuous current carrying capacity as required by the connected load of the crane and as required to hold the voltage drop to not more than 1 percent from the power input connection at the main contact conductors to the input terminals of the crane main circuit breaker when the crane is operating with the greatest load condition and is at the maximum distance from the point of connection of the power feeder.

Standard products of the manufacturer furnishing the conductors shall be provided to connect the power supply to the conductors.

- 4) Crane runway conductor system for the cranes shall be a cable festoon or reel system type designed and manufactured to meet UL requirements. Covered conductor bar system will not be approved.
- 5) Incoming Power Circuit Breaker. The crane's normal power supply shall be controlled by means of a 600 volt, three-pole, manually operated air circuit breaker having a suitable ampere rating. Short circuit protection only shall be provided. the breaker shall be mounted on the protective panel.
- 6) Connections to Trolley. Power and control circuits shall be brought to the trolley by means of a hinged or link carrier system supporting jacket and color coded multiple conductor power and control cables or by means of a "Festoon" system consisting of jacketed color coded multiple conductor power and control cable which shall be bundled and supported by suitable number of four-wheel Stainless steel trolleys running on Stainless steel track system mounted on the main bridge girders. Festoon Trolley wheels shall be provided with antifriction bearings. The conductors of all cables shall be terminated at each end by suitable terminal lugs connected to terminal blocks mounted in junction boxes of NEMA
- 7)
- 8) Type 4 construction conforming to NEMA Pub. No. ICS 6. Power and control circuits shall be segregated and terminated in separate junction boxes. Two extra conductors shall be provided in each control cable.
- 9) Control Systems. A separate controller shall be provided for each motor; however, a duplex controller shall be used for two motor bridge drives. Overload protection shall be in conformance with the requirements of NEMA ICS 2. Contactors that are used for starting, stopping, and reversing shall be mechanically and electrically interlocked.
- 10) Magnetic Control Equipment. The primary and accelerating contactors and/or static devices shall be mounted on one or more panels and shall be enclosed in a cabinet or cabinets. The control circuits shall be wired to terminal blocks or studs complete and ready for making all external connections. Magnetic contactors for individual motor controls shall have a rating the equivalent of the motor controlled, but in no case shall a contactor less than NEMA size 1 be used.
- 11) Control Panels. Control cabinets shall be fabricated of solid Stainless steel designed and constructed to conform to the requirements of NEMA ICS 6 Type 4. Thermostatically controlled heaters shall be provided in each cabinet. Control cabinet doors shall be hinged, equipped with gaskets, and shall be fitted with key-lock handles designed to latch the door at top, center, and bottom. A single key shall open all locks. A blue pilot light to indicate that the main contactor is energized and a white pilot light to indicate that power is available on the load side of the crane disconnect switch shall also be provided.
- 12) Radio Control Station. Design - The POWER OFF pushbutton shall have a bright red mushroom head. Operating push buttons shall be as follows:
  - Hoist - up
  - Hoist - down
  - Bridge - North
  - Bridge - South
  - Trolley - East
  - Trolley - West
  - POWER OFF

- POWER ON
- Protection.

- 13) Main Line Disconnect - A main line disconnects consisting of a combination circuit breaker and non-reversing starter (main line contactor) in NEMA Type 4 enclosure shall be provided. The main line disconnect shall be controlled by a control circuit such that all crane motions shall be stopped upon main line undervoltage, overload, control circuit fuse failure, or operation of the POWER OFF pushbutton.
- 14) Circuit Breakers - Circuit breakers shall meet the requirements of UL 489 and NEMA AB 1.
- 15) Overload Protection. Each hoist shall be equipped with an overload protection device that will measure the load being lifted through a strain gage load cell. Should this device detect loads greater than 110% of rated crane capacity, it shall stop the lifting motion of the hoist and only allow lowering. Load limiting devices which rely on springs or other mechanical sensing methods shall not be acceptable for this application due to insufficient accuracy. Alternating current adjustable frequency control motor overload protection shall be electronic and shall protect by inverse time and current versus output frequency which will allow less current for a given amount of running time when frequency (speed) is lower than rated.
- 16) Limit Switches. Limit switches shall be heavy duty quick-break double-pole double-throw type and shall conform to NEMA ICS 2. Geared limit switch interruption of a motion in one direction shall not prevent the opposite motion. Geared limit switches shall reset automatically. Limit switch housings shall be NEMA type 4. Limit switches shall interrupt power to the control systems.
- a) Hoist Upper Limit Switches - The hoist upper limit shall be provided with a weight operated limit switch, to prevent raising beyond their safe limit. This limit switch shall operate to interrupt power to all hoist motor conductors and set the hoist holding brakes.
  - b) Hoist Lower Limit Switches - Hoists shall be provided with a rotating adjustable geared control circuit interrupt limit switch for hoist-down travel limiting.
  - c) Bridge and Trolley Travel Limit Switches - Runway (Track) limit switches shall be mounted to the crane bridge and trolley, respectively, adjacent to one runway rail to interrupt current to the bridge and trolley controls. Adjustable limit switch actuators shall be installed on both ends of those rails to actuate the limit switches and stop the crane bridge or trolley prior to contacting the runway bumpers.
- 17) Warning Horn. A solid-state electronic warning horn shall be provided on the crane. Any bridge or trolley motion shall be accompanied by a continuous series of alternating tones.
- 18) Motors. Motors except as otherwise specified herein shall conform to the provisions of NEMA MG 1. They shall be rated at 230/460 or 460-volt, 3-phase, 60-Hz, ac power and shall be of the squirrel cage induction type suitable for inverter duty, and shall be of the open drip-proof, totally enclosed frame construction. Winding insulation shall be either Class B, F or H and the temperature rise of the motors furnished shall not exceed that permitted by the applicable NEMA Standards for the class of insulation used. Each motor shall have a horsepower rating sufficient to meet the respective operating requirements specified without exceeding its rated full-load torque. The motor time ratings shall be not less than the following:
- Main hoist Continuous
  - Auxiliary hoist Continuous
  - Trolley travel Continuous
  - Bridge travel Continuous



- 19) Bearings shall be of the anti-friction type and the design of the motor housing and method of assembly shall permit ready removal of the end brackets and prevent escape of lubricant and entrance of foreign materials. Unless the bearings are of an approved pre-lubricated type requiring no addition or change of lubricant for a period of at least 5 years, readily accessible fitted openings located in the top and bottom of the bearing housing, respectively, shall be provided for applying and draining the lubricant. Pressure lubricating fittings may be used provided the housings are properly vented to prevent damage to the seals.
- 20) Hoist and Bridge Motors. The hoist motor shall be squirrel-cage induction type. The hoist and bridge variable frequency drive controller shall provide for reversing the direction of rotation of the hoist motor, for operation at the slow or fast hoist or lower speed, and for releasing and setting the brake when the motor is energized and de-energized, respectively. the control shall always start the motor at the "Slow" speed.
- 21) Trolley Travel Motor. The motor shall be variable frequency squirrel-cage induction type. The variable frequency drive shall provide for reversing the direction of rotation of the motor, for operation at the slow or fast speeds, and for releasing and setting the brake when the motor is energized and de-energized, respectively. The control shall always start the motor at the "Slow" speed.
- 22) Conduit System.
- a) Rigid Steel. Rigid steel conduit shall conform to ANSI C80.1 and shall, in addition, be zinc-coated both inside and outside by the hot-dip galvanizing method.
  - b) Flexible Conduit. Flexible conduit shall conform to UL 360, shall have a hot-dipped galvanized steel core, copper ground wire, and a waterproof extruded cover.
  - c) Fittings. Fittings for rigid and flexible conduit shall confirm to NEMA FB 1, UL 467, and UL 514B. Fittings for rigid conduit shall be threaded.
  - d) Outlet, Junction, and Pull Boxes. Sheet metal boxes and covers shall conform to NEMA OS 1, UL 514A, and UL 514B. Cast boxes and covers shall conform to UL 514B and UL 886. All cast boxes shall be supplied with integral cast hubs or with factory-brazed hubs. All hubs shall be factory threaded.
- 23) Insulated Wire and Cable.
- a) General. Materials, construction and tests, unless otherwise specified, shall conform to the applicable requirements of NEMA Pub. No. WC 7 and WC 8, and to the referenced requirements of IEEE Standard 383. Parts, tables, sections, appendices, grades and classes specified below will refer to NEMA WC 7, unless otherwise stated. Where not specifically stated, the equivalent requirement of NEMA WC 8 shall apply if the wire insulation is EP rubber. Wire for power and motor circuits shall have a current carrying capacity of not less than the full-load current of the circuit, including 125 per cent of the largest motor's full-load current, but in no case less than No. 10 AWG. Wire for lighting circuits shall have a current carrying capacity corresponding to the ampere rating of the circuit's air circuit breaker, but in no case less than No. 12 AWG. Wires exposed to heat shall be sized as required by in no case less than No. 10 AWG.
  - b) Conductors. Conductors shall conform to all the applicable requirements of Section 2 of NEMA WC 7 or NEMA WC 8 and shall be annealed copper wire. Conductors shall be tin or lead alloy coated, or bare, as required by the type of insulation used. Conductors shall be solid or stranded as required below:
  - c) Power and Control Circuits. Conductors shall have Class B or C stranding.

- d) Lighting circuits. Conductors of No. 10 AWG and smaller shall be solid or shall have Class B stranding, and conductors of No. 8 AWG and larger shall have Class B stranding.
- e) Insulation. Insulation shall be a cross-linked polyethylene (XLPE) meeting the requirements of Section 3 or paragraph 7.7 of NEMA WC 7 as applicable, or ethylene-propylene rubber (EPR) meeting the requirements of Part-3 of NEMA WC 8. Insulation thickness shall be as required by Table 3-1. Section 3, for rated circuit voltage of 0-600 volts. Single conductor cross-linked polyethylene insulated cable with Column A thickness only will be permitted without a jacket. Single-conductor EPR conductors shall have a jacket.
- f) Jackets. An outer jacket shall be applied over multiple-conductor cables. Single-conductor cables and individual conductors of a multiple-conductor cable may have a jacket. The jacket shall be tightly and concentrically formed around the core of the cable. Single-conductor cables shall have jackets when required. The jacket shall be synthetic thermosetting compound and shall conform to one of the following:
  - g) Heavy-duty black neoprene in accordance with Paragraph 4.4.3 of NEMA WC 8.
  - h) Heavy-duty black chlorosulfonated polyethylene in accordance with Paragraph 4.4.9 of NEMA WC 8.
  - i) Heavy-duty cross-linked chlorinated polyethylene in accordance with Paragraph 4.4.11 of NEMA WC 8.
- j) The outside diameter of single-conductor wires and multiple conductor cables shall not vary more than 5 percent and 10 percent, respectively from the manufacturer's published catalog data.
- k) Color-coding. Insulation of individual conductors of multiple-conductor cables shall be color-coded in accordance with paragraph 5.3 of NEMA WC 8, except that colored braids will not be permitted, and the color code shall be that of NEMA WC 8, Appendix K, Table K-2. Only one color-code method shall be used for each cable construction type.
- l) Wire Exposed to Heat. Wire exposed to heat shall be Type SF-2, SFF-2, XF, or XFF unless otherwise approved.
- m) Control Panel Wiring. Control panel wiring shall be stranded copper switchboard wire with 600-volt insulation type SIS in compliance with UL 44. Hinge wire shall have Class K stranding in accordance with Table L-7. Hinge wire shall be used between stationary and hinged equipment and shall be formed in wire loops or bundles at least 750 CM (two feet) long which shall provide rotation around the longitudinal axis of the conductors.
- n) Festoon or Linked Carrier System Cable. The festoon system shall be made using type 90 cables with 600 C (1400 P), 600-volt insulation and neoprene jacket for power, control, and lighting circuits. THEREFORE, cables shall conform to the applicable requirements of UL 62. Conductors shall have not less than class N stranding. If shielded cables are needed to reduce electrical interference, descriptions of the proposed cables shall be submitted for approval. Shielded cables shall be of fire-resistant materials, having conductors with thermosetting insulation of equivalent thickness to those in type 90 cable, with thermosetting jackets, and durable, flexible shields suitable for long-term reliability in the intended application.
- o) Fire Resistance. All cable assemblies (multiple-conductor and single-conductor) shall pass the flame test of IEEE 383, paragraph 2.5, using the ribbon gas burner. Single conductors and individual conductors of multiple-conductor cables shall also be required to pass the flame test described in NEMA WC 7, paragraph 7.7.3.1.3.

- p) Terminal Blocks. Terminal blocks for internal cabinet wiring may be the manufacturers, standard types. All other terminal blocks, for general use, including those for wiring between cabinets and to other devices, shall be one piece-molded type with barriers, rated 600 volts, 30 amperes, General Electric Company Type EB-25 or Marathon Electric Manufacturing Corps, Series 1500. The terminals shall be removable binding, fillister, or washer head screw type. Or stud type with contact and locknuts. Each terminal shall be not less than No. 10 in thread size, having length and space for connecting three No. 10 AWG conductors to each terminal. Terminal blocks for current transformer leads shall be of the short-circuiting type. White or other light-colored marking strips, fastened by screws to the molded sections at each block, shall be provided for wire numbers. Each connected terminal of each terminal block shall have the wire number placed on the marking strip with permanent marking fluid. Marking strips shall be reversible or one spare shall be furnished with each terminal block. At least 10 percent spare terminals shall be provided, conveniently located for future use, among the terminal blocks for each cabinet. Terminal blocks for much smaller signal applications, for which the above, specified requirements may be too extreme, or for duty greater than 30 amperes, shall comply with the applicable portions of the above requirements, and shall otherwise be suitable and approved for the intended use.
- q) Wire Markers. Tube-type markers such as branded wire markers manufactured by Floy Tag and Manufacturing Co., shall be suitable for contact with rubber, neoprene, or plastic, or any other type of insulation material used. Tubing shall be sized to fit the wire being marked and shall have permanent black marking on a light-colored background. A written certificate from an approved independent testing laboratory shall be furnished in duplicate to indicate that the markers will not stain.
- r) Painting. Crane including bridge, trolley, hoist, and all attached items shall be painted in accordance with the manufacturer's standard practice. Color shall be Standard Machinery Yellow. The complete crane shall be one color. Items such as surfaces in contact with the rail wheels, wheel tread, hooks, wire rope, surfaces on the electrical collector bars in contact with the collector shoes and nameplates shall not be painted. Touch-up painting of areas damaged during erection shall be in accordance with the manufacturer's instructions.

## **PART 3 – EXECUTION**

### **3.1 Demolition:**

- 1) Label and Disconnect all power and controls in a manner to facilitate reconnection.
- 2) Remove all instrumentation wiring for existing crane
- 3) Remove all components of the crane and structural steel associated with the existing crane

### **3.2 SHOP ASSEMBLY AND TESTS.**

The hoist, trolley, trolley drive, and bridge drive shall be shop assembled and operated under their own power. Reeving of drums and sheaves will not be required. Permanent wiring except wire which would be disassembled or partly disassembled for shipment shall be installed. Permanent conduit except conduit attached to walkways, ladders, stairs, and machinery housing shall be installed. The bridge structural frame shall be assembled and checked for fit and alignment. The test shall

demonstrate that the various parts and components are correctly fabricated, assembled, and fitted. The Contractor shall notify the Drainage Department 10 days prior to testing operations.

### 3.3 PREPARATION FOR SHIPMENT.

After completion of the shop tests, the crane shall be match-marked and prepared for shipment with electrical connections tagged. Four copies of a diagram of match-marks shall be furnished. All parts and equipment at the site shall be protected from weather, damage, abuse, and loss of identification.

### 3.4 ERECTION.

Erection shall be in accordance with the manufacturer's instructions and as indicated.

- 1) Erection Procedures. Major components of the crane shall be shop assembled as completely as possible. The erection procedures shall ensure that the crane is erected without initial stresses, forced or improvised fits, misalignments, nicks of high-strength structural steel components, stress-raising welds, and rough burrs. After the crane is erected, any damaged painted surfaces shall be cleaned and repainted. After erection is complete, the equipment shall be serviced. All necessary grease and oil of approved quality and grade for the initial servicing and field test shall be provided by the Contractor.
- 2) Mechanical Alignment. All motors, couplings, brakes, gear boxes, and drive components shall be aligned when reinstalled, in accordance with manufacturer's instructions.
- 3) Conduit. All wiring between equipment units or components shall be installed in rigid, hot-dip galvanized steel conduit, except that liquid-tight flexible conduit may be used for short connection when so approved by the Contracting Officer. The conduit shall be securely mounted and installed in a neat and workmanlike manner. Conduit junction boxes, cover plates, and fittings shall be galvanized cast or malleable iron, cast aluminum, or cast brass. Turns shall be made by means of conduit bodies, in order that the conduit may fit close to the crane framework. All joints shall be threaded, and all terminations at equipment units or components shall be made by lock nuts and bushings or shall be threaded. Conduit unions may be used to join conduit where standard couplings cannot be used, and as required to permit dismantling for shipment. No running threads will be permitted. Ends of conduit shall be carefully reamed. Separate conduit systems shall be provided for power, control and lighting circuits. The entire conduit system shall be grounded. All mechanical work of installing the conduit shall be complete before installing wire.
- 4) Wiring. All conductor connections, except for splices in lighting conductors which are made in junction boxes, shall be terminated at terminal studs or terminal blocks using approved indented terminal connectors of the ring-tongue type which are equal to ASTA-KON" type as manufactured by Thomas and Betts Co. All screw type terminals shall have lock washers and all stud type terminals shall have contact nuts and either all-metal locking nuts or lock washers. No splices shall be made in any wiring on a panel or in a conduit. All wiring shall be color coded. Wiring, entering or leaving control cabinets, boxes or enclosures, shall be identified by means of the numbers used for identification on the Contractor's wiring diagrams. Single conductors and individual conductors of cables shall be identified with non-metallic tube-type markers at each termination. Tubing shall be sized to fit the wire and shall be uniform in position. The tubing shall be stamped with black wire numbers. Multiple-conductor cables shall be identified with cable designation by embossed aluminum band markers at each termination.

- 5) Electrical Installation. The control system shall be aligned in accordance with manufacturer's instructions. Alignment data shall include timer settings, resistor tap settings, potentiometer settings, test point voltages, supply voltages, motor voltages, motor currents, and test conditions such as ambient temperature, motor load, date performed, and person performing the alignment. A copy of the final alignment data shall be stored in control panel door.

### 3.5 **ACCEPTANCE TESTING**

- 1) Crane Test. The Contractor shall provide all personnel necessary to conduct the tests including but not limited to crane operators, riggers, rigging gear, and test weights. Testing shall be performed in the presence of Contracting Officer. The Contractor shall notify the Contracting Officer 10 days prior to testing operations.
- 2) The Contractor shall operate all equipment and make all necessary corrections and adjustments prior to the testing operations witnessed by the Contracting Officer. The test load shall be compact and permit a minimum of 50 percent of vertical lift. The test load shall be minus 0 percent to plus 5 percent of the required weight, and shall be verified prior to testing. The test weight for the 100 percent testing shall be 50,000 pounds. The test weight for the 125 percent testing shall be 62,500 pounds.
- 3) Test Sequence. the crane shall be tested according to the applicable paragraphs of this procedure in the sequence provided.
- 4) Test Data. Operating and startup current measurements shall be recorded for electrical equipment (motors and coils) using appropriate instrumentation. Speed measurements shall be recorded as required by the facility evaluation tests (normally at 100 percent load). Recorded values shall be compared with design specifications or manufacturer's recommended values; abnormal differences shall be explained in the remarks and submitted for approval or appropriate adjustments performed. In addition, high temperatures or abnormal operation of any equipment or machinery shall be noted, investigated, and corrected. Hoist, trolley, and bridge speeds shall be recorded at each speed point during each test cycle.
- 5) Equipment Monitoring. During the performance and load tests, improper operation or poor condition of safety devices, electrical components, mechanical equipment, and structural assemblies shall be monitored. Observed defects critical to continued testing shall be reported immediately to the Contracting Officer, and testing shall be suspended until the deficiency is corrected. During and immediately following each load test, the following inspections shall be made:
  - a) Inspect for evidence of bending, warping, permanent deformation, cracking, or malfunction of structural components.
  - b) Inspect for evidence of slippage in wire rope sockets and fittings.
  - c) Check for overheating in brake operation; check for proper stopping. All safety devices, including emergency stop switches and POWER OFF pushbuttons, shall be tested and inspected separately to verify proper operation of the brakes.
  - d) Check for abnormal noise or vibration and overheating in machinery drive components.
  - e) Check wire rope sheaves and drum spooling for proper operation, freedom of movement, abnormal noise, or vibration.
  - f) Check electrical drive components for proper operation, freedom from chatter, noise, or overheating.
  - g) Inspect external gears for abnormal wear patterns, damage, or inadequate lubrication.



- 6) Hooks. Hooks shall be measured for hook throat spread before and after load test. A throat dimension base measurement shall be established by installing two tram points and measuring the distance between these tram points (to within 0.4 mm (1/64 inch)). This base dimension shall be recorded. The distance between tram points shall be measured before and after load test. An increase in the throat opening by more than 1 percent from the base measurement shall be cause for rejection.

7) **No-Load Testing.**

- a) Hoist Operating and Limit Switch Test. The load hook shall be raised and lowered through the full range of normal travel at rated speed and other speeds of the crane. The load hook shall be stopped below the geared limit switch upper setting. In slow speed only, proper operation of upper and lower limit switches shall be verified. The test shall be repeated a sufficient number of times (minimum of three) to demonstrate proper operation. Brake action shall be tested in each direction.
- b) Trolley Travel. The trolley shall be operated the full distance of the bridge rails exercising all drive speed controls in each direction. Brake operation shall be verified in each direction. In slow speed the trolley bumpers shall contact the trolley stops located on the bridge girders
- c) Bridge Travel. The bridge shall be operated the full distance of the runway exercising all drive speed controls, in each direction. Brake operation shall be verified in each direction. In slow speed, the crane bridge bumpers shall contact the runway rail stops.
- d) Hoist Loss of Power No-Load Test. The hooks shall be raised to clear obstructions and the trolley traveling in slow speed, the main power source shall be disconnected verifying that the trolley will stop and that the brake will set. The test shall be repeated for the bridge slow speed drive controls

8) **Performance Test.**

- a) Hoist. Unless otherwise indicated, the following tests shall be performed using a test load of 100 percent of rated load.
- b) Hoist Static Load Test: The holding brake and hoisting components shall be tested by raising the test load approximately 900 mm (1 foot). The load shall be held for 3 minutes. any lowering that may occur indicates a malfunction of the brake or lowering components.
- c) Dynamic Load Test: The test load shall be raised and lowered at each speed through a minimum of 50 percent of the operating range. The machinery shall be completely stopped at least once in each direction to ensure proper brake operation.
- d) Hoist Load Brake: With test load raised approximately 1.5 m (5 feet) and with the hoist controller in the neutral position, the holding brake shall be released. The load brake shall be capable of holding the test load. With the holding brake in the released position, the test load shall be lowered (first point) and the controller shall be returned to OFF position as the test load lowers. The load brake shall prevent the test load from accelerating.
- e) Hoist Loss of Power Test: After raising the test load to approximately 2.5 m (8 feet), begin slowly lowering the test load, the main power source and the control

pushbutton shall be released verifying that the test load will not lower and that the brakes will set.

- f) Trolley Dynamic Load Test: While operating the trolley the full distance of the bridge rails in each direction with test load on the hook (one cycle), the proper function of all speed control points and proper brake action shall be tested.
- g) Bridge Dynamic Load Test: With test load on the hook, the bridge shall be operated for the full length of the runway in both directions with the trolley at each extreme end of the bridge. Proper function of all drive speed control points and brake action shall be verified. Binding of the bridge end trucks shall indicate malfunction.
- h) Trolley and Bridge Loss of Power Test: The test load shall be raised clear of any obstructions on the operating floor. Starting at a safe distance from walls or other obstructions, a slow speed shall be selected using the trolley and bridge drive. While maintaining a safe distance to obstructions, the main power source shall be disconnected and the brakes shall be verified to have set and that the equipment stops within the distance recommended by the manufacturer.
- i) ix. Load Test. Unless otherwise indicated, the following tests shall be performed using a test load of 125 percent of rated load on the full runways per ASME B30.2 and OSHA. The test load shall be raised and lowered at least 900mm (3 feet), operating at the first speed point. The machinery shall be completely stopped at least once in each direction to ensure proper brake operation.
- j) Framed Instructions. Framed instructions under acrylic plastic or in laminated plastic, including wiring and control diagrams showing the complete layout of the entire system, shall be posted where directed. Condensed operating instructions explaining preventive maintenance procedures, methods of checking the system for normal safe operation, and procedures for safely starting and stopping the system shall be prepared in typed form, framed as specified above for the wiring and control diagrams, and posted beside the diagrams. The framed instructions shall be posted before acceptance testing of the systems.
- k) Manufacturer's Services. Services of a manufacturer's representative who is experienced in the installation, adjustment, erection, and operation of the equipment specified shall be provided. The representative shall supervise the installation, adjustment, and testing of the equipment.
- l) Field Training. A field training course shall be provided for designated operating staff members. Training shall be provided for a total period of 4 hours of normal working time and shall start after the system is functionally complete but prior to final acceptance tests. Field training shall cover all of the items contained in the operating and maintenance instructions. The Contracting Officer shall be given at least 2 weeks advance notice of such training.
- m) Spare Parts. One set of manufacturer's recommended spare parts shall be furnished and delivered to the site. The spare parts shall be suitably packaged for long-term protection and storage. The packaging shall be legibly labeled to identify the spare parts. A list of the furnished spare parts shall be included in the Maintenance manual.

- n) Acceptance. Final acceptance of the crane system will not be given until the Contractor has successfully completed all testing operations, corrected all material and equipment defects, made all proper operation adjustments, and removed paint or overspray on wire rope, hook and electrical collector bars.
- o) Provide certified manufacturers warranties for bridge crane and all operation components to owner.
- p) Operation and Maintenance Manuals. Copies of operation and copies of maintenance manuals for the equipment shall be furnished. Three (3) preliminary sets prior to performance testing and the remainder upon acceptance. Operation manuals shall detail the step-by-step procedures required for system startup, operation and shutdown. Operation manuals shall include the manufacturer's name, model number, parts list, and brief description of all equipment and basic operating features. Maintenance manuals shall list routine maintenance procedures, possible breakdowns and repairs, and troubleshooting guides. Maintenance manuals shall include piping and equipment layout and simplified wiring and control diagrams of the system as installed. Operation and maintenance manuals shall be approved prior to the field training course.

## **CORPORATE RESOLUTION**

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
\_\_\_\_\_  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF \_\_\_\_\_  
INCORPORATED, DULY NOTICED AND HELD ON \_\_\_\_\_,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED. THAT \_\_\_\_\_, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL  
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF  
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,  
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT  
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE  
ABOVE DATED MEETING OF THE BOARD  
OF DIRECTORS OF SAID CORPORATION,  
AND THE SAME HAS NOT BEEN  
REVOKED OR RESCINDED.

\_\_\_\_\_  
**SECRETARY-TREASURER**

\_\_\_\_\_  
**DATE**

## **Public Works Bid Affidavit Instructions**

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

*Instruction sheet may be omitted when submitting the affidavit*



**Public Works Bid**

**AFFIDAVIT**

**STATE OF** \_\_\_\_\_

**PARISH/COUNTY OF** \_\_\_\_\_

BEFORE ME, the undersigned authority, personally came and appeared: \_\_\_\_\_  
\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized \_\_\_\_\_ of \_\_\_\_\_ (Entity),  
the party who submitted a bid in response to Bid Number \_\_\_\_\_, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

**Choice B** \_\_\_\_\_ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

**Choice B** \_\_\_\_\_ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- (a) Public bribery (R.S. 14:118)
- (b) Corrupt influencing (R.S. 14:120)
- (c) Extortion (R.S. 14:66)
- (d) Money laundering (R.S. 14:230)

A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:

- (a) Theft (R.S. 14:67)
- (b) Identity Theft (R.S. 14:67, 16)
- (c) Theft of a business record (R.S. 14:67.20)
- (d) False accounting (R.S. 14:70)
- (e) Issuing worthless checks (R.S. 14:71)
- (f) Bank fraud (R.S. 14:71.1)
- (g) Forgery (R.S. 14:72)
- (h) Contractors; misapplication of payments (R.S. 14:202)
- (i) Malfeasance in office (R.S. 14:134)

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

*[The remainder of this page is intentionally left blank.]*

Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).

\_\_\_\_\_  
Signature of Affiant

\_\_\_\_\_  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Printed Name of Notary

\_\_\_\_\_  
Notary/Bar Roll Number

My commission expires \_\_\_\_\_.

DATE: 6/15/2021  
BID NO.: 50-00134324

INVITATION TO BID  
THIS IS NOT AN ORDER  
**JEFFERSON PARISH**

Page: 1

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETN, LA. 70054-0009  
504-364-2678

BUYER: DNELSON@jeffparish.net

BIDS WILL BE RECEIVED ONLINE VIA [WWW.JEFFPARISHBIDS.NET](http://WWW.JEFFPARISHBIDS.NET) UNTIL 2:00 PM, 7/20/2021 AND PUBLICLY OPENED THEREAFTER IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETN, LA 70053. At no charge, bidders are to submit via Jefferson Parish's electronic procurement page by visiting [www.jeffparishbids.net](http://www.jeffparishbids.net) to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION. HOWEVER, ELECTRONIC SIGNATURES AS DEFINED IN LSA - R.S. 9:2620(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**  
**THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS**

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the buyer's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)



All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

### INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

**A. AWARD OF CONTRACT:** JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

**PROTESTS:** Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

**PREFERENCE:** Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA – R.S. 38:2251-2261"

**B. USE OF BRAND NAMES AND STOCK NUMBERS:** Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

**C. CANCELLATION OF CONTRACT:** JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

**D. PRICES:** Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and local taxes. For purchases of labor and materials, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

DATE: 6/15/2021

BID NO.: 50-00134324

## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Page: 3

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

### IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

**This electronic procurement system allows vendors the convenience of reviewing and submitting bids online.**

**This is a secure site and authorized personnel have limited read access only. Bidders are to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.**

**Please visit our E-Procurement Page at [www.jeffparishbids.net](http://www.jeffparishbids.net) to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.**

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 as amended. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

### ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

**3,4,5,6,7,10,11,12,13,14,17**

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid electronic envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precaution must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. All sureties must be in original format (no copies) When submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment."). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.

## LOUISIANA UNIFORM PUBLIC WORK BID FORM

50-00134324

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
 (Owner to provide name and address of owner)

BID FOR: **LABOR, MATERIALS & EQUIPMENT NECESSARY  
 TO FURNISH, INSTALL, START UP & LOAD  
 TESTONE (1) DOUBLE GIRDER CRANE AT  
 THE COUSINS 2 PUMP STATION**  
 (Owner to provide name of project and  
 other identifying information)

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Jefferson Parish Department of Drainage

(Owner to provide name of entity preparing bidding documents.) and dated: June 16, 2021

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA**: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) \_\_\_\_\_

**TOTAL BASE BID:** For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" \* but not alternates) the sum of:

\_\_\_\_\_ Dollars (\$ ) \_\_\_\_\_

**ALTERNATES:** For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

**Alternate No. 1** (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A \_\_\_\_\_ Dollars (\$ ) \_\_\_\_\_

**Alternate No. 2** (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A \_\_\_\_\_ Dollars (\$ ) \_\_\_\_\_

**Alternate No. 3** (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A \_\_\_\_\_ Dollars (\$ ) \_\_\_\_\_

**NAME OF BIDDER:** \_\_\_\_\_

**ADDRESS OF BIDDER:** \_\_\_\_\_

**LOUISIANA CONTRACTOR'S LICENSE NUMBER:** \_\_\_\_\_

**NAME OF AUTHORIZED SIGNATORY OF BIDDER:** \_\_\_\_\_

**TITLE OF AUTHORIZED SIGNATORY OF BIDDER:** \_\_\_\_\_

**SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER \*\*:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA  
 UNIFORM PUBLIC WORK BID FORM:**

\* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

\*\* **A CORPORATE RESOLUTION OR WRITTEN EVIDENCE** of the authority of the person signing the bid for the public work as prescribed by LA-R.S. 38:2218 (B)(5).

**BID SECURITY** in the form of a bid bond, certified check or cashier's check as prescribed by LA-R.S. 38:2218.(A) is attached to and made a part of this bid.